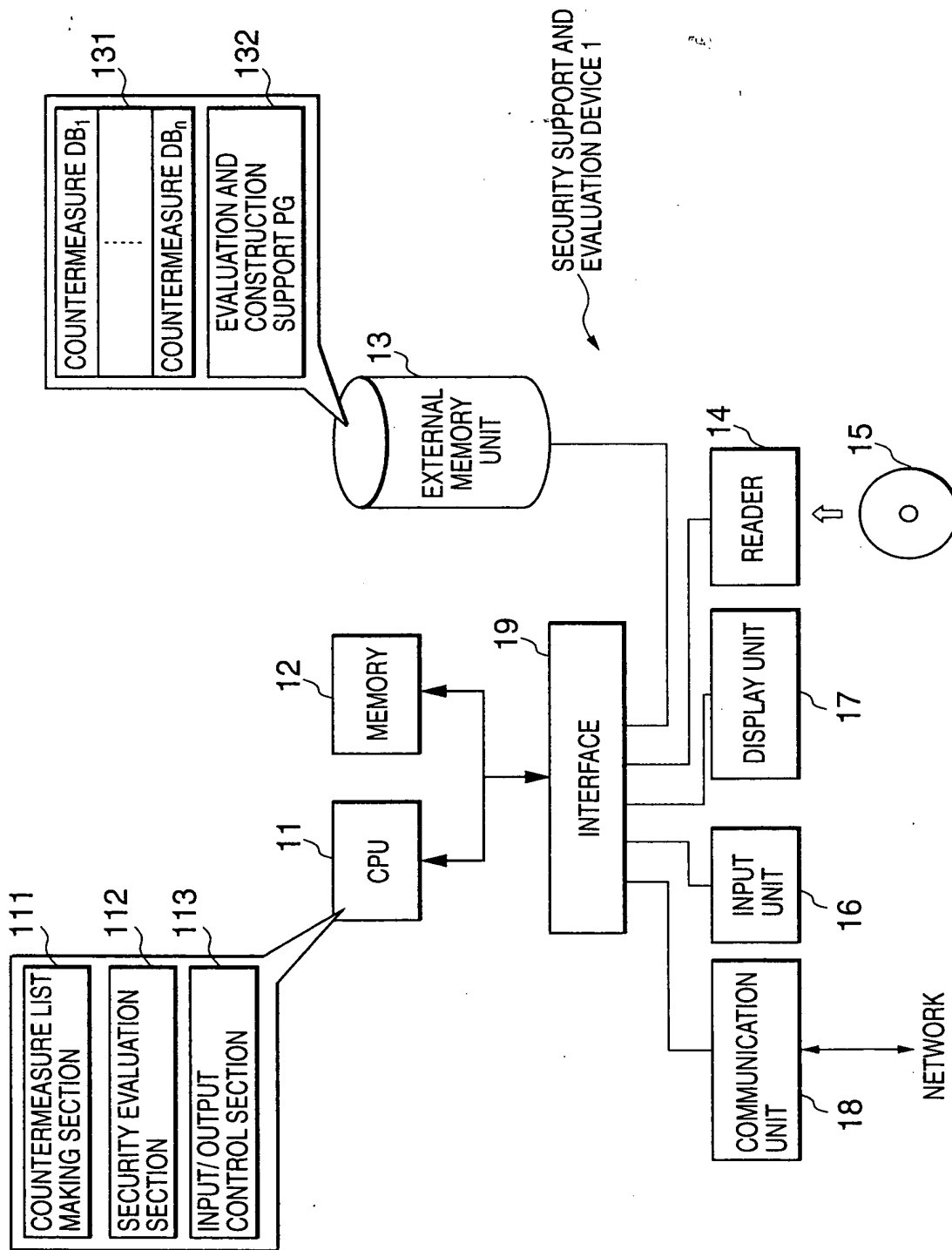


FIG. 1



INTERNET CONNECTION SYSTEM (NO. 1)

FIG. 2

201	202	203	204	205 ₁	205 ₂	206 ₁	206 ₂	206 ₃	207	208
COUNTERMEASURE TYPE	SECURITY COUNTERMEASURE	ASSUMED THREAT	CC FUNCTIONAL REQUIREMENT	LINE OF BUSINESS A CRITERION	LINE OF BUSINESS B CRITERION	WWW SERVER	CLIENT	BORDER ROUTER	FACILITY	OPERATION
MANAGEMENT OF ACCESS AUTHORIZATION	SET THE MANAGER OF AN ACCESS AUTHORIZATION	ILLEGAL USE		◎	◎					L2.C2.R4
MANAGEMENT OF ACCESS AUTHORIZATION	SET A PASSWORD ON AN INDIVIDUAL BASIS	ILLEGAL USE	FMT_MSA.1			L3.C2.R2	L3.C2.R2			
MANAGEMENT OF ACCESS AUTHORIZATION	SET AN ACCESS AUTHORIZATION SUCH THAT THE STATE OF SETTING CAN BE CHECKED AT ANY TIME	ILLEGAL USE	FMT_MSA.1 FMT_MTD.1			L2.C2.R3	L2.C2.R3			
MANAGEMENT OF ACCESS AUTHORIZATION	LIMIT AN ACCESS TO AN PRIVILEGED USER	LEAKAGE OF INFORMATION	FDP_ACF.1 FDP_ACC.2 FIA_UAD.1	◎		L1.C2.R3	L3.C1.R3			
MANAGEMENT OF ACCESS AUTHORIZATION	LIMIT A PERSON CAPABLE OF USING A MANAGEMENT UTILITY	LEAKAGE OF INFORMATION	FDP_ACC.1 FDP_ACF.1			L1.C1.R3	L1.C1.R3	L1.C1.R3		
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
IDENTIFICATION AND AUTHENTICATION	LIMIT A TERMINAL CAPABLE OF BECOMING A PRIVILEGED USER BY A REMOTE ACCESS	ILLEGAL USE	FIA_UAU.2 FIA_UID.1	◎		L3.C3.R3		L2.C4.R3		
IDENTIFICATION AND AUTHENTICATION	CHECK A PERSON BY AN IP ADDRESS	ILLEGAL USE				L2.C2.R3		L1.C2.R3		
IDENTIFICATION AND AUTHENTICATION	DO NOT DISPLAY VARIOUS KINDS OF INFORMATION WHEN AUTHENTICATION IS NOT SUCCESSFUL	ILLEGAL USE	FIA_AFL.1 FIA_UAD.7			L1.C1.R2	L1.C2.R2	L1.C2.R2		
IDENTIFICATION AND AUTHENTICATION	LOCK A USER ID WHEN IT IS NOT AUTHENTICATED ONE TIME	ILLEGAL USE	FIA_AFL.1			L2.C3.R3		L1.C3.R3		
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

SECURITY LEVEL:

L1: NORMAL, L2: STRONG, L3: STRONGEST

ANNUAL COST REQUIRED:

C1: LESS THAN 100 THOUSAND
C2: LESS THAN ONE MILLION
C3: LESS THAN 5 MILLION
C4: LESS THAN 10 MILLION
C5: NOT LESS THAN 10 MILLION

ANNUAL REMAINING RISK:

R1: LESS THAN 100 THOUSAND
R2: LESS THAN ONE MILLION
R3: LESS THAN 5 MILLION
R4: LESS THAN 10 MILLION
R5: NOT LESS THAN 10 MILLION

INTERNET CONNECTION SYSTEM (NO. 2)

FIG. 3

201	202	203	204	205 ₁	205 ₂	206 ₁	206 ₂	206 ₃	207	208
COUNTERMEASURE TYPE	SECURITY COUNTERMEASURE	ASSUMED THREAT	CC FUNCTIONAL REQUIREMENT	LINE OF BUSINESS A CRITERION	LINE OF BUSINESS B CRITERION	WWW SERVER	CLIENT	BORDER ROUTER	FACILITY	OPERATION
COUNTERMEASURE AGAINST VIRUS	PERIODICALLY START A VIRUS CHECKER	TAMPERING WITH INFORMATION				L3.C2.R3	L1.C1.R3			
COUNTERMEASURE AGAINST VIRUS	PERIODICALLY UPDATE THE DEFINITION OF A VIRUS	TAMPERING WITH INFORMATION				L3.C2.R3	L1.C1.R2			
COUNTERMEASURE AGAINST VIRUS	SET A PORTABLE MEMORY MEDIUM SUCH AS A FD OR THE LIKE UNUSABLE	TAMPERING WITH INFORMATION				L3.C1.R2	L3.C1.R2			
COUNTERMEASURE AGAINST VIRUS	PERIODICALLY CHECK A DEMON STARTING MECHANISM	TAMPERING WITH INFORMATION				L3.C3.R3				
COUNTERMEASURE AGAINST VIRUS	STOP AN UNNECESSARY SERVICE	ILLEGAL USE				L2.C2.R3	L1.C2.R3			
...
MANAGEMENT OF THE COMING AND GOING OF A PERSON INTO AND OUT OF A ROOM	LOCK AN ENTRANCE AND AN EXIT	DESTRUCTION OF COMPONENT		◎					L1.C4.R4	
MANAGEMENT OF THE COMING AND GOING OF A PERSON INTO AND OUT OF A ROOM	MANAGE A KEY NECESSARY TO ENTER A ROOM AT A PREDETERMINED POSITION	DESTRUCTION OF COMPONENT								L2.C2.R4
MANAGEMENT OF THE COMING AND GOING OF A PERSON INTO AND OUT OF A ROOM	ISSUE A LICENSE TO ENTER A ROOM	DESTRUCTION OF COMPONENT								L2.C2.R4
MANAGEMENT OF THE COMING AND GOING OF A PERSON INTO AND OUT OF A ROOM	SET A LEVEL FOR THE MANAGEMENT OF THE COMING OF A PERSON INTO A ROOM	DESTRUCTION OF COMPONENT								L3.C3.R4
...

SECURITY LEVEL:

L1: NORMAL, L2: STRONG, L3: STRONGEST

ANNUAL COST REQUIRED:

C1: LESS THAN 100 THOUSAND C2: LESS THAN ONE MILLION

C3: LESS THAN 5 MILLION C4: LESS THAN 10 MILLION

C5: NOT LESS THAN 10 MILLION

ANNUAL REMAINING RISK:

R1: LESS THAN 100 THOUSAND R2: LESS THAN ONE MILLION

R3: LESS THAN 5 MILLION R4: LESS THAN 10 MILLION

R5: NOT LESS THAN 10 MILLION

AUTHENTICATION SYSTEM

FIG. 4

201	202	203	204	205 ₁	205 ₂	206 ₁	206 ₂	206 ₃	207	208
COUNTERMEASURE TYPE	SECURITY COUNTERMEASURE	ASSUMED THREAT	CC FUNCTIONAL REQUIREMENT	LINE OF BUSINESS A CRITERION	LINE OF BUSINESS B CRITERION	AUTHENTICATION SERVER	ENCRYPTION UNIT	ROUTER	FACILITY OPERATION	
MANAGEMENT OF AN AUTHENTICATION LICENSE	SET THE EXPIRATION DATE OF AN AUTHENTICATION LICENSE	ILLEGAL USE	FMT_SAE.1 FMT_MSA.1			L1.C3.R4				
MANAGEMENT OF AN AUTHENTICATION LICENSE	IDENTIFY AND AUTHENTICATE A PERSON BEFORE NULLIFYING AN AUTHENTICATION LICENSE	ILLEGAL USE	FIA_UID.2 FIA_UAU.1			L2.C3.R4	L1.C3.R4			
...
MANAGEMENT OF A KEY	RECORD AN ACCESS TO A KEY WHICH IS NOT ALLOWED IN AN AUDIT TRAIL	ILLEGAL USE	FAU_GEN.1 FAU_SAR.1 FAU_SAR.3			L2.C3.R5	L1.C3.R5	L3.C3.R5		
...
COUNTERMEASURE AGAINST AN INTRUDER	MAKE A FIRE WALL AT A POINT CONNECTED TO AN EXTERNAL NETWORK	LEAKAGE OF INFORMATION						L1.C4.R5		
...
MANAGEMENT OF THE COMING AND GOING OF A PERSON INTO AND OUT OF A ROOM	QUICKLY CHANGE AND RETRIEVE A LICENSE IN RESPONSE TO A CHANGE IN QUALIFICATION	DESTRUCTION OF COMPONENT							L2.C4.R5	
...

SECURITY LEVEL:

L1: NORMAL, L2: STRONG, L3: STRONGEST

ANNUAL COST REQUIRED:

C1: LESS THAN 100 THOUSAND
C2: LESS THAN ONE MILLION
C3: LESS THAN 5 MILLION
C4: LESS THAN 10 MILLION
C5: NOT LESS THAN 10 MILLION

ANNUAL REMAINING RISK:

R1: LESS THAN 100 THOUSAND
R2: LESS THAN ONE MILLION
R3: LESS THAN 5 MILLION
R4: LESS THAN 10 MILLION
R5: NOT LESS THAN 10 MILLION

FIG. 5

FIG. 3

PLANT SYSTEM			201	202	203	204	205 ₁	205 ₂	206 ₁	206 ₂	206 ₃	207	208
COUNTERMEASURE TYPE	SECURITY COUNTERMEASURE	ASSUMED THREAT	FUNCTIONAL REQUIREMENT	LINE OF BUSINESS A CRITERION	LINE OF BUSINESS B CRITERION	CONTROL UNIT	MANAGEMENT UNIT	FIRE WALL	FACILITY OPERATION				
MANAGEMENT OF THE AUTHORIZATION OF OPERATING A PLANT	IDENTIFY AND AUTHENTICATE A PERSON BEFORE OPERATING A PLANT	ILLEGAL USE	FIA_UID.2 FMT_UAU.1			L2.C3.R4	L1.C3.R4	L1.C3.R4					
MANAGEMENT OF THE AUTHORIZATION OF OPERATING A PLANT	GRANT A PRIVILEGE TO A USER IN CONSIDERATION OF A TECHNICAL LEVEL	ILLEGAL USE	FMT_MSA.1						L1.C3.R4				
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮				
MONITORING THE OPERATION OF A PLANT	RECORD AN OPERATION WHICH IS NOT ALLOWED IN AN AUDIT TRAIL	ILLEGAL USE	FAU_GEN.1 FAU_SAR.1 FAU_SAR.3			L2.C3.R5	L1.C3.R5	L3.C3.R5					
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮				
COUNTERMEASURE AGAINST AN INTRUDER	MAKE A FIRE WALL AT A POINT CONNECTED TO AN EXTERNAL NETWORK	LEAKAGE OF INFORMATION						L1.C4.R5					
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮				
MANAGEMENT OF THE COMING AND GOING OF A PERSON INTO AND OUT OF A ROOM	SET A LEVEL FOR THE MANAGEMENT OF THE COMING OF A PERSON INTO A ROOM	DESTRUCTION OF COMPONENT							L2.C4.R5				
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮				
SECURITY LEVEL:			ANNUAL COST REQUIRED:			ANNUAL REMAINING RISK:							
L1: NORMAL, L2: STRONG, L3: STRONGEST			C1: LESS THAN 100 THOUSAND C3: LESS THAN 5 MILLION C5: NOT LESS THAN 10 MILLION			C2: LESS THAN ONE MILLION C4: LESS THAN 10 MILLION			R1: LESS THAN 100 THOUSAND R2: LESS THAN ONE MILLION R3: LESS THAN 5 MILLION R4: LESS THAN 10 MILLION R5: NOT LESS THAN 10 MILLION				

FIG. 6

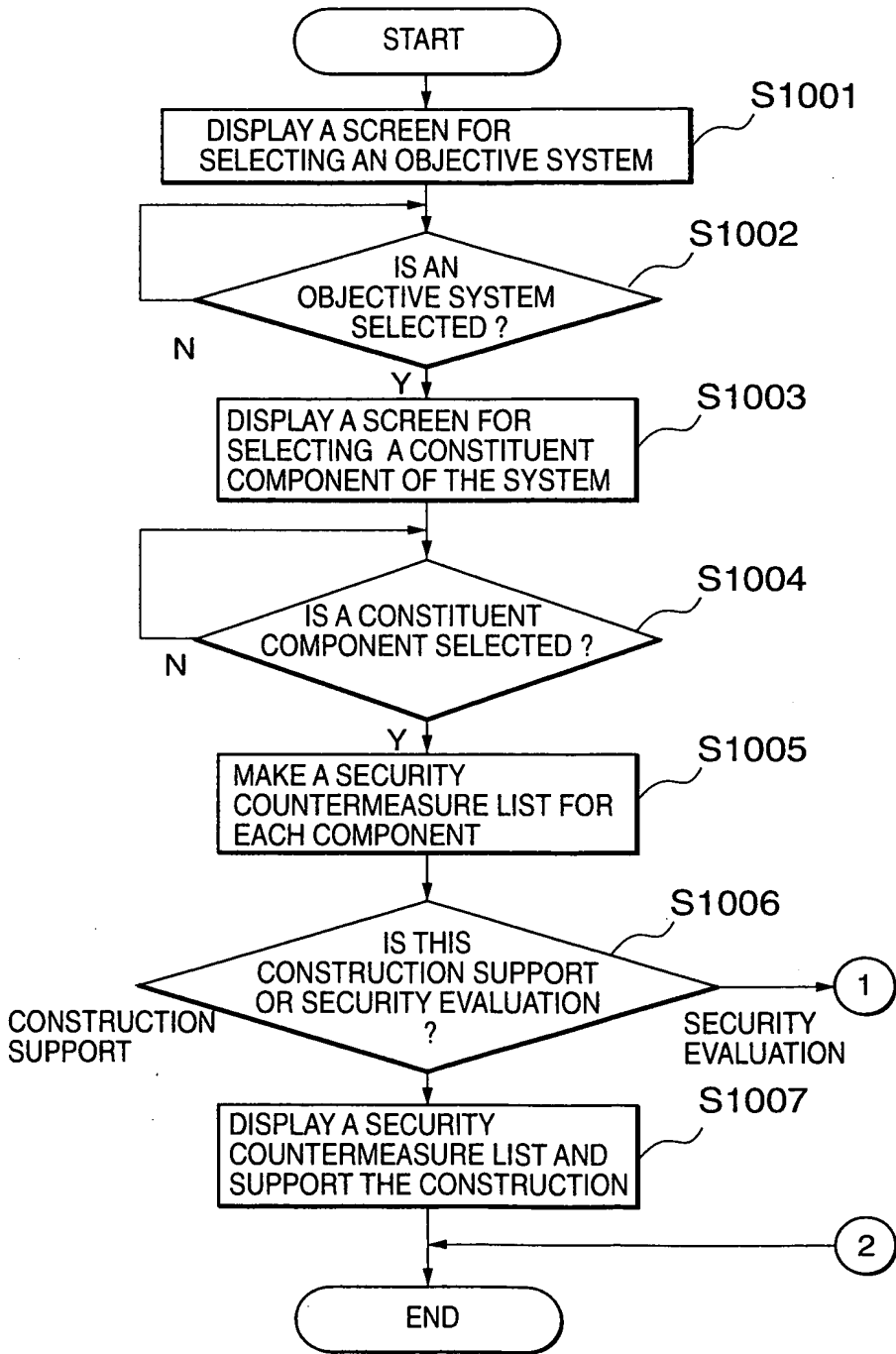


FIG. 7

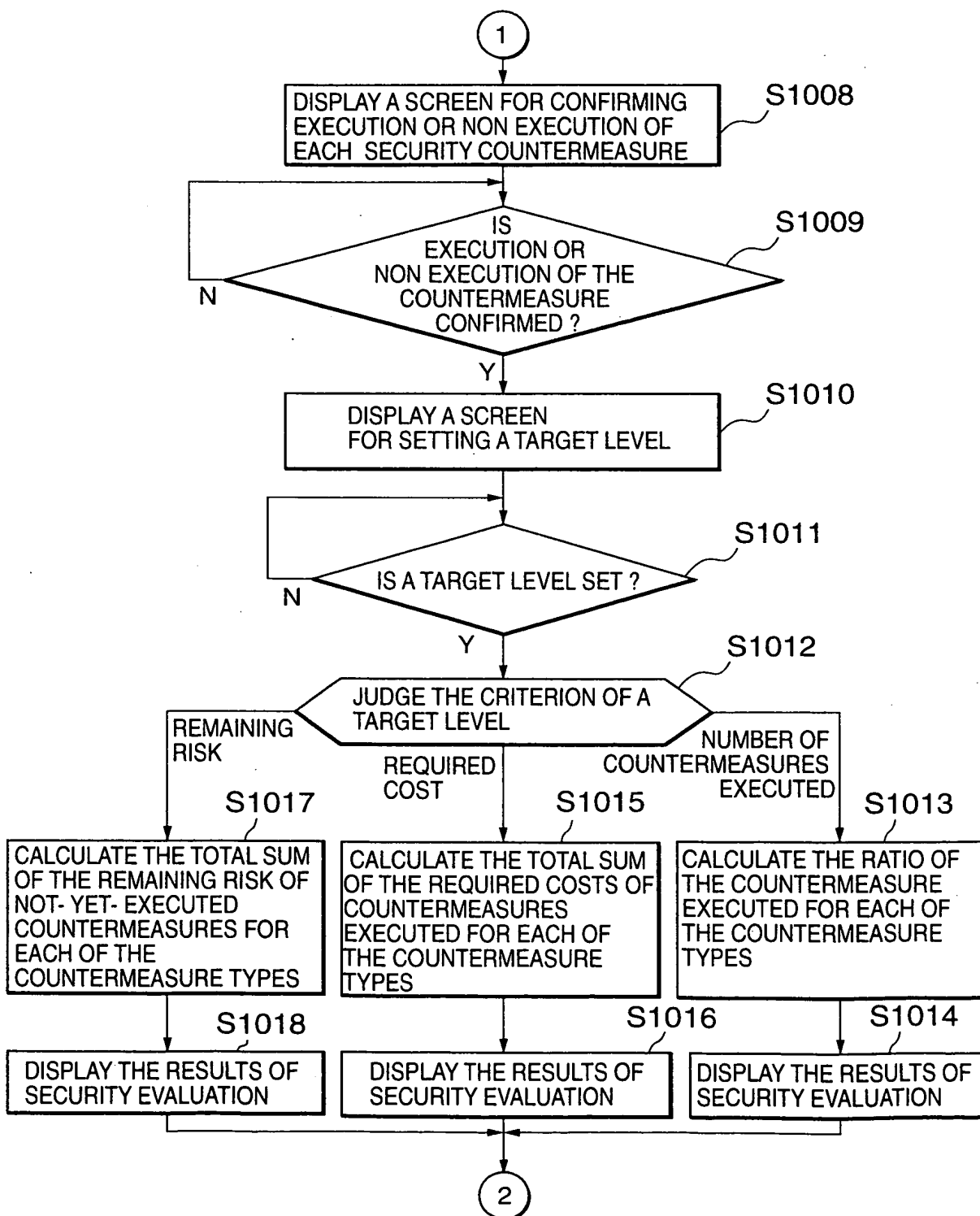


FIG. 8

OBJECTIVE SYSTEM

☒ INTERNET CONNECTION SYSTEM

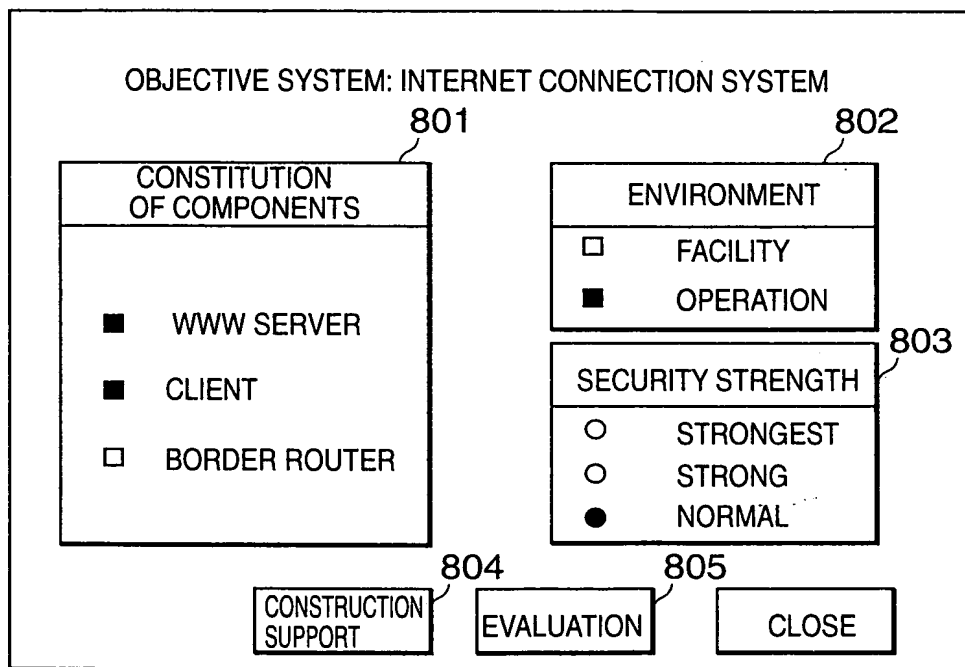
☐ AUTHENTICATION SYSTEM

☐ PLANT SYSTEM

OK CLOSE

09628108-072700

FIG. 9



00220" 80182960

FIG. 10

901 OBJECTIVE SYSTEM: INTERNET CONNECTION SYSTEM

WWW SERVER		CLIENT		OPERATION			
COUNTERMEASURE TYPE	SECURITY COUNTERMEASURE	ASSUMED THREAT	CC FUNCTIONAL REQUIREMENT	LINE OF BUSINESS A CRITERION	LINE OF BUSINESS B CRITERION	REQUIRED COSTS	REMAINING RISK
MANAGEMENT OF AN ACCESS AUTHORIZATION	LIMIT AN ACCESS TO A PRIVILEGED USER	LEAKAGE OF INFORMATION	FDP_ACF.1 FDP_ACC.2 FIA_UAU.1	◎		LESS THAN ONE MILLION	LESS THAN 5 MILLION
MANAGEMENT OF AN ACCESS AUTHORIZATION	LIMIT A PERSON CAPABLE OF USING A MANAGEMENT UTILITY	LEAKAGE OF INFORMATION	FDP_ACC.2 FDP_ACP.1			LESS THAN 100 THOUSAND	LESS THAN 5 MILLION
...
IDENTIFICATION AND AUTHENTICATION	DO NOT DISPLAY VARIOUS KINDS OF INFORMATION WHEN AN AUTHENTICATION IS NOT SUCCESSFUL	ILLEGAL USE	FIA_AFL.1 FIA_UAU.7			LESS THAN 100 THOUSAND	LESS THAN 5 MILLION
...

902

903

SAVE

PRINT

CLOSE

FIG. 11

901 OBJECTIVE SYSTEM: INTERNET CONNECTION SYSTEM

WWW SERVER

CLIENT

OPERATION

904

COUNTERMEASURE TYPE	SECURITY COUNTERMEASURE	ASSUMED THREAT	CC FUNCTIONAL REQUIREMENT	LINE OF BUSINESS A CRITERION	LINE OF BUSINESS B CRITERION	REQUIRED COSTS	REMAINING RISK	BOX FOR CHECKING TO INDICATE EXECUTION
MANAGEMENT OF AN ACCESS AUTHORIZATION	LIMIT AN ACCESS TO A PRIVILEGED USER	LEAKAGE OF INFORMATION	FDP_ACP.1 FDP_ACC.2 FIA_UAU.1	⊙		LESS THAN ONE MILLION	LESS THAN 5 MILLION	>
MANAGEMENT OF AN ACCESS AUTHORIZATION	LIMIT A PERSON CAPABLE OF USING A MANAGEMENT UTILITY	LEAKAGE OF INFORMATION	FDP_ACC.2 FDP_ACF.1			LESS THAN 100 THOUSAND	LESS THAN 5 MILLION	>
...	
IDENTIFICATION AND AUTHENTICATION	DO NOT DISPLAY VARIOUS KINDS OF INFORMATION WHEN AN AUTHENTICATION IS NOT SUCCESSFUL	ILLEGAL USE	FIA_AFL.1 FIA_UAU.7			LESS THAN 100 THOUSAND	LESS THAN 5 MILLION	>
...	

905

EXECUTE

RESET

CLOSE

906

FIG. 12

SETTING OF TARGET LEVEL

<input checked="" type="radio"/> NUMBER OF EXECUTED SECURITY COUNTERMEASURE	<input type="radio"/> LINE OF BUSINESS A CRITERION	910
TARGET VALUE <input type="text" value="80"/> % OR MORE	<input type="radio"/> LINE OF BUSINESS B CRITERION	911
<input type="radio"/> REQUIRED COST TARGET VALUE < <input type="text"/> MILLION YEN / YEAR		912
<input type="radio"/> REMAINING RISK TARGET VALUE < <input type="text"/> MILLION YEN / YEAR		

OK CLOSE

FIG. 13

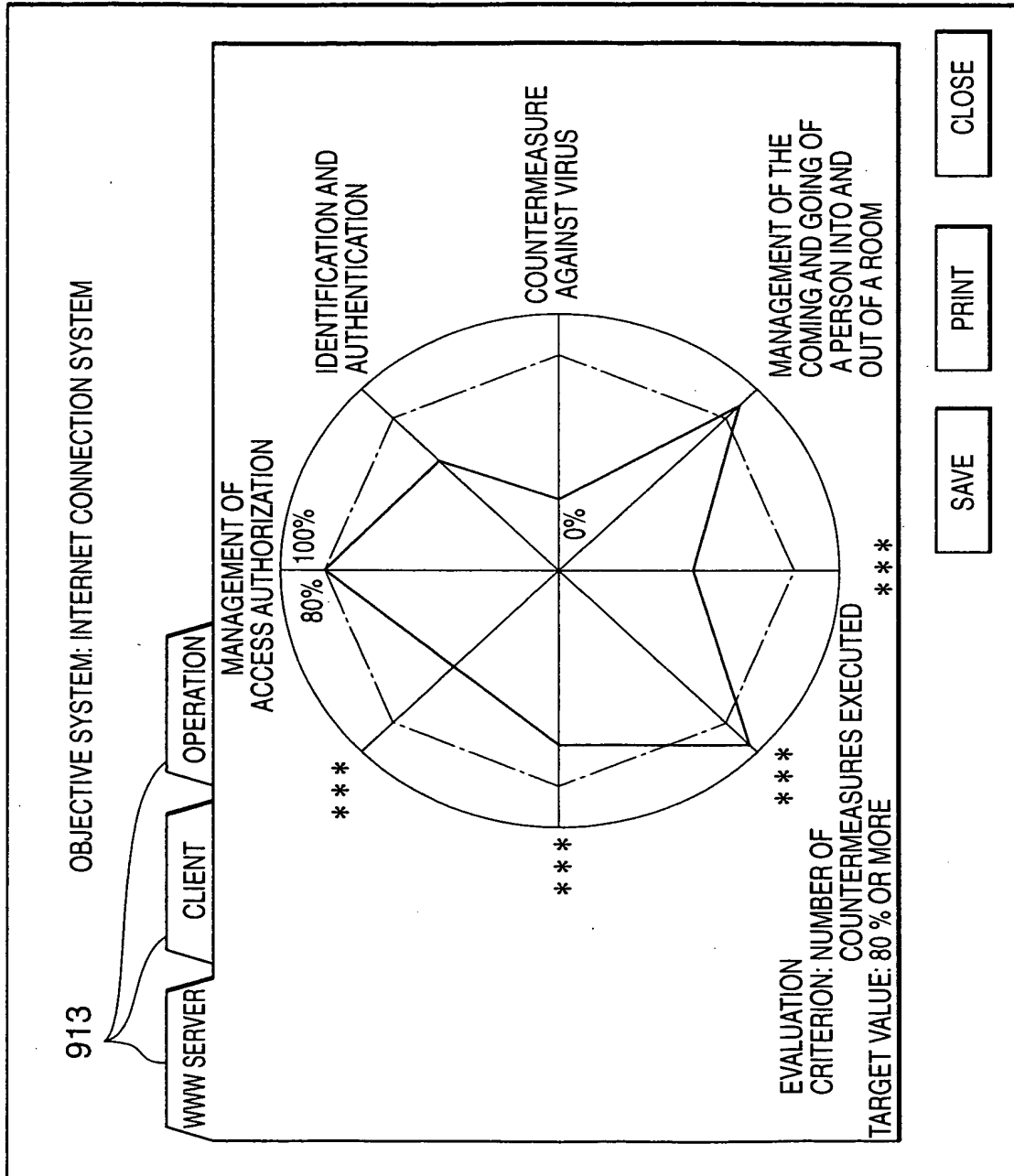


FIG. 14

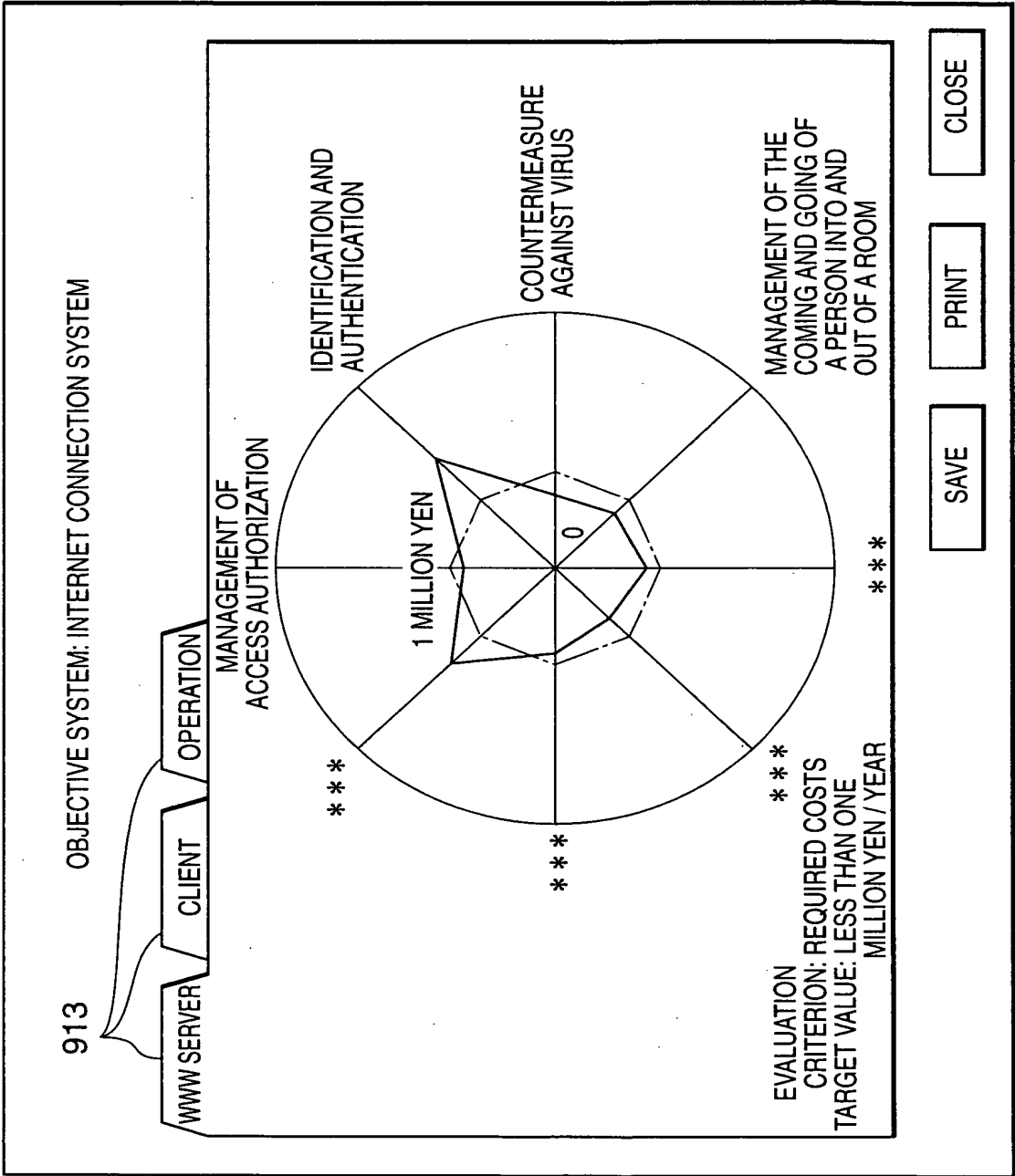


FIG. 15

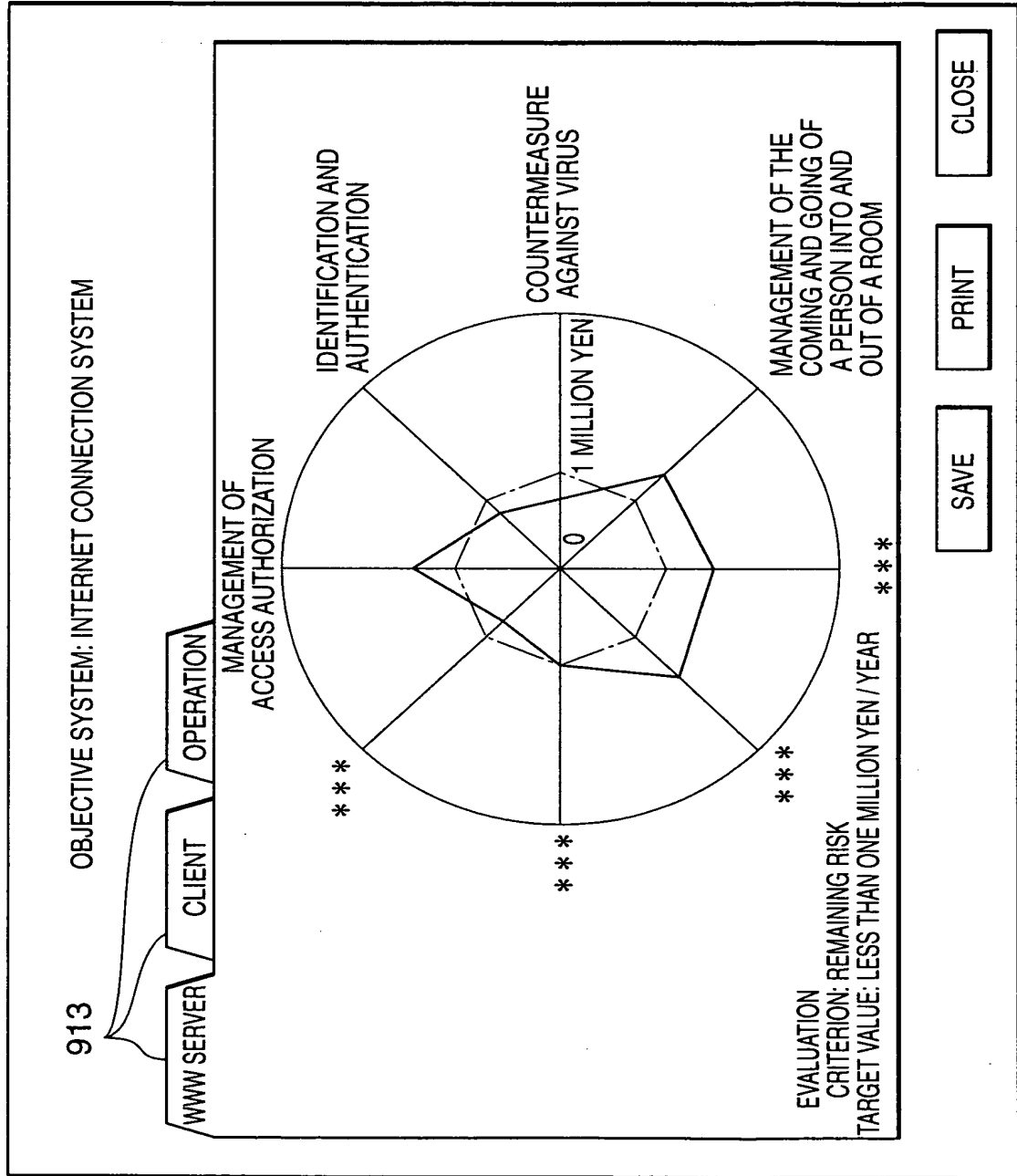
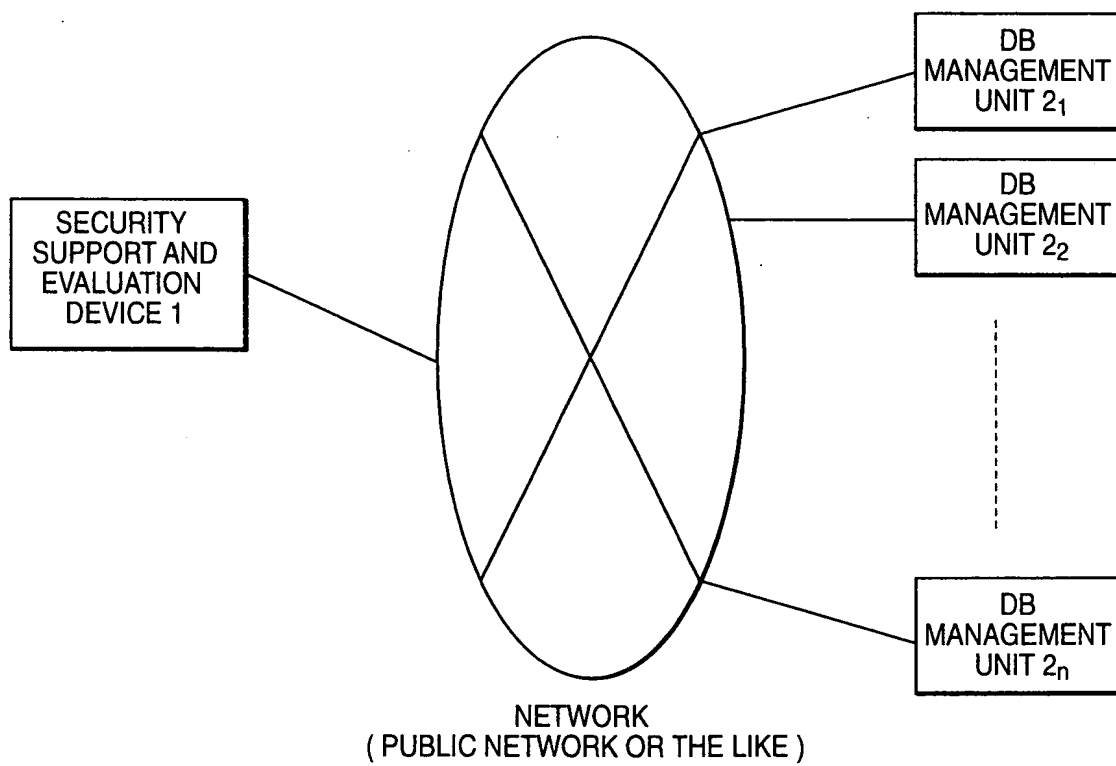


FIG. 16



00220-80182960

FIG. 17

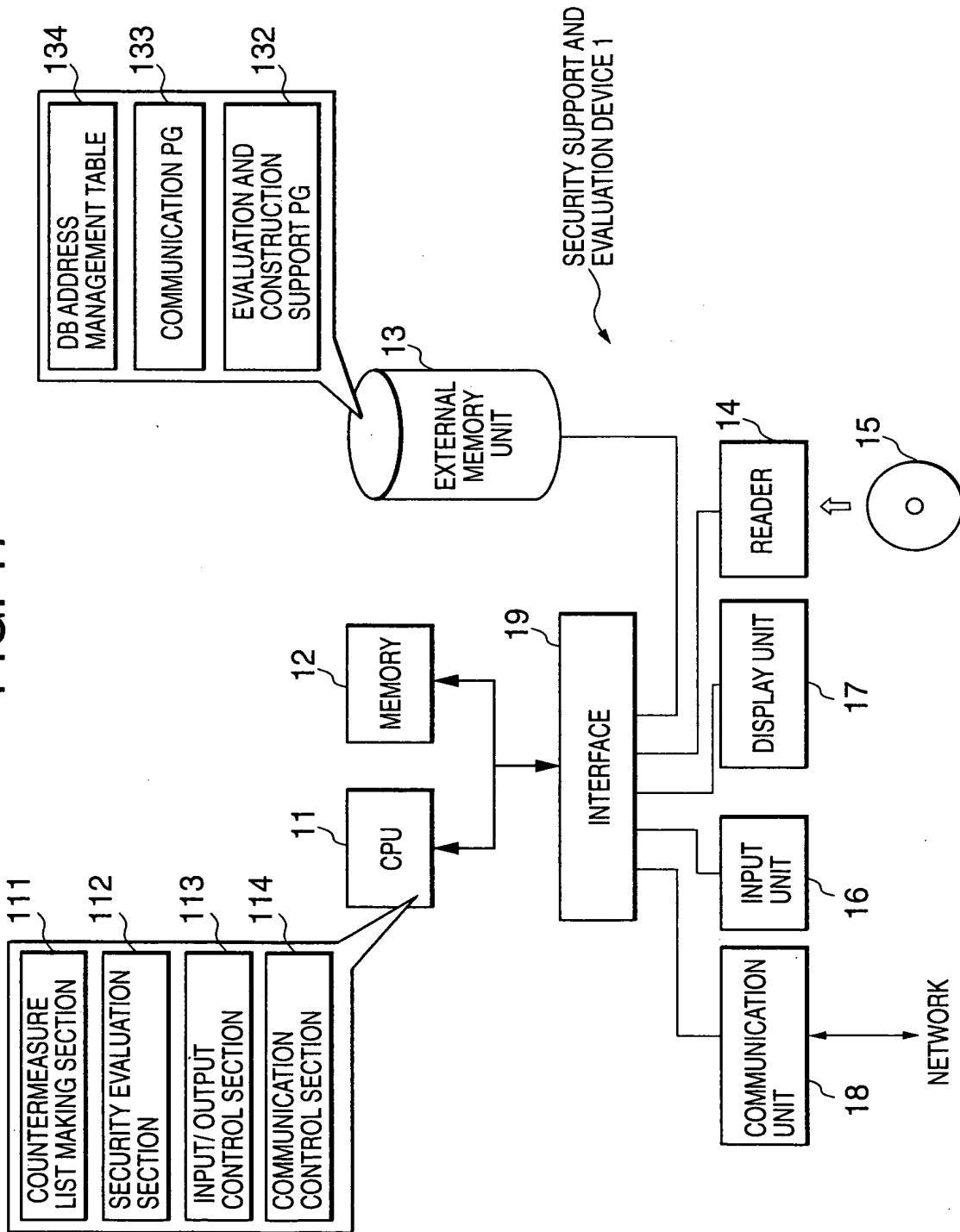


FIG. 18

COUNTERMEASURE DB (OBJECTIVE SYSTEM)	DB MANAGEMENT UNIT ADDRESS
COUNTERMEASURE DB ₁ (INTERNET CONNECTION SYSTEM)	* * * *, * * *, * *, * *
COUNTERMEASURE DB ₂ (AUTHENTICATION SYSTEM)	* * * *, * * *, * *, * *
COUNTERMEASURE DB ₃ (PLANT SYSTEM)	* * * *, * * *, * *, * *
⋮	⋮
COUNTERMEASURE DB _n (* * * SYSTEM)	* * * *, * * *, * *, * *

FIG. 19

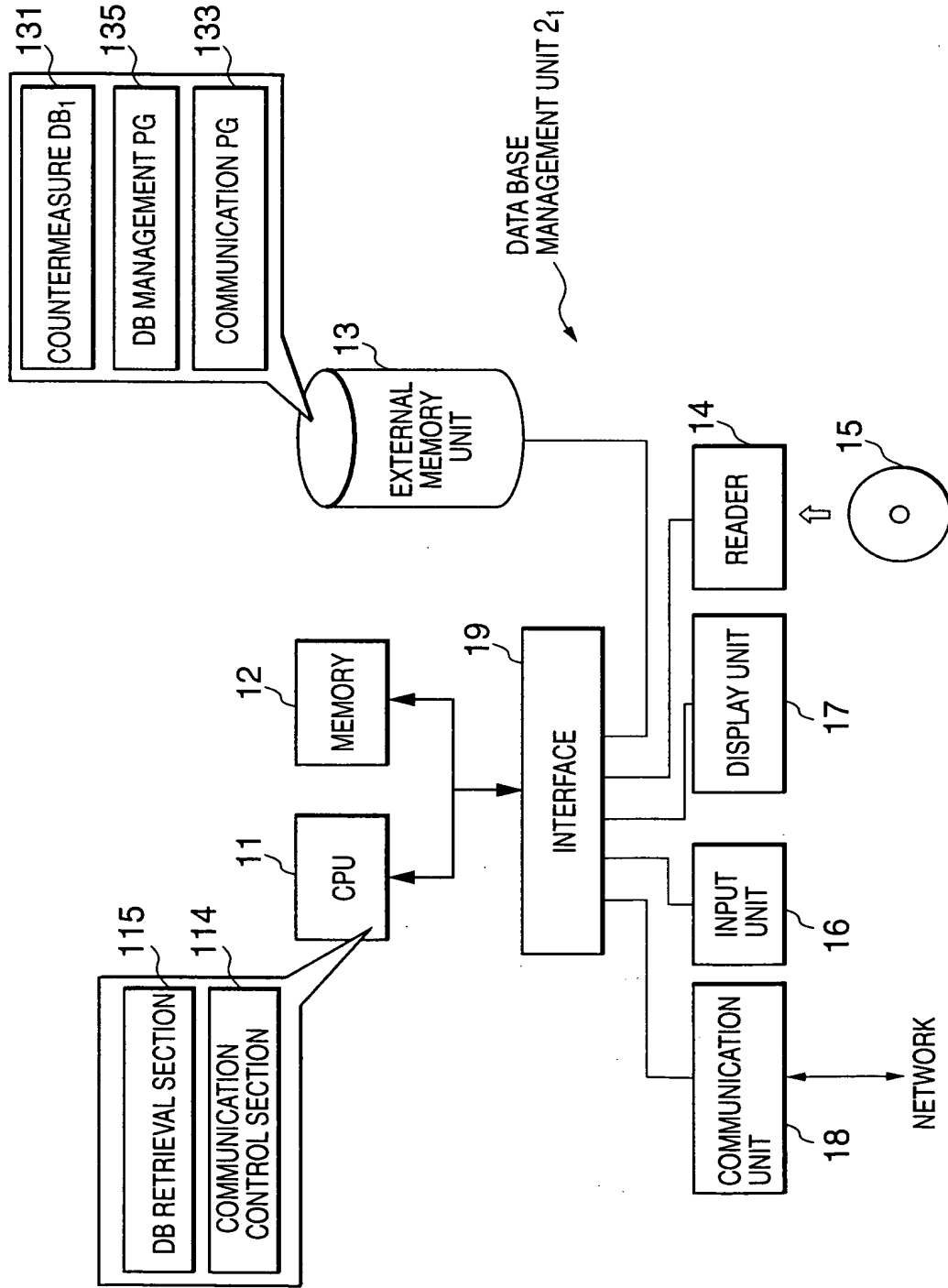


FIG. 20

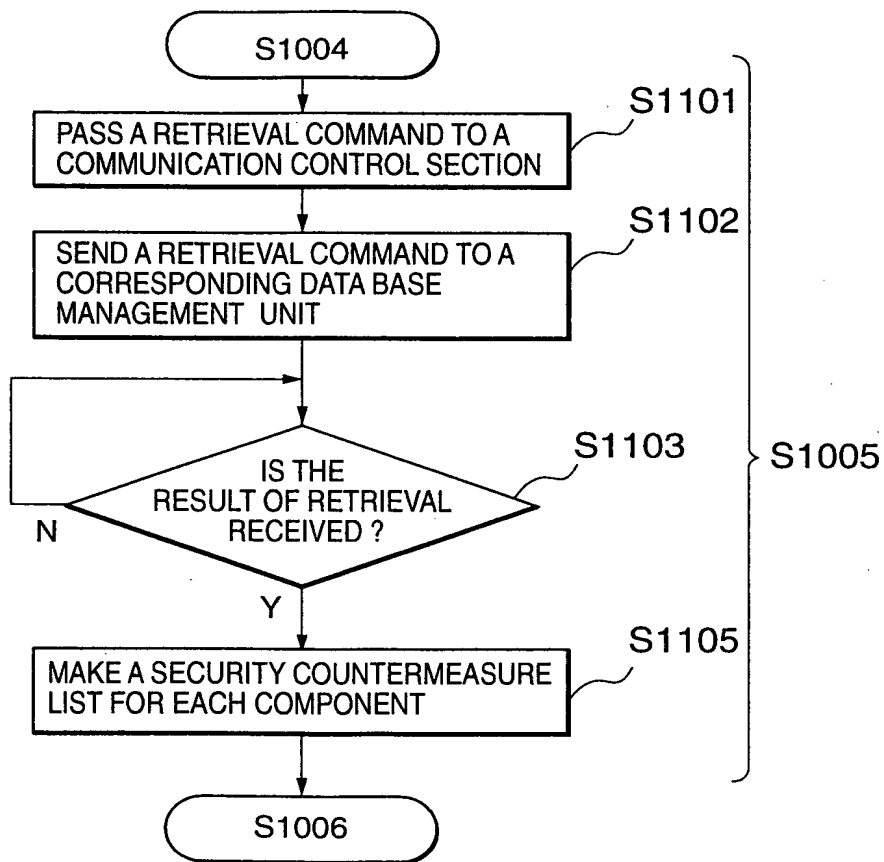


FIG. 21

